

**CLAIMS**

1. A chemical or biochemical reactor comprising:  
a reaction unit including a chamber having a volume of less than 1 ml, an inlet to  
5 the chamber connectable to a source of a chemical or biological starting material, and  
an outlet of the chamber for release of a product of a chemical or biological reaction  
involving the starting material; and  
a collection chamber connectable to the outlet of the reaction chamber, the  
collection chamber having a volume of greater than 1 liter.